

2/15



#2

OIPE

RAW SEQUENCE LISTING

DATE: 02/13/2002

PATENT APPLICATION: US/10/055,555

TIME: 09:40:34

Input Set : A:\EP.txt

Output Set: N:\CRF3\02132002\J055555.raw

ENTERED

3 <110> APPLICANT: Behan, Dominic
 4 Foster, Richard J.
 5 Glen, Robert C.
 6 Lawless, Michael S.
 7 Liu, Qian
 8 Smith, Julian R.
 9 Liaw, Chen W.
 10 Russo, Joseph F.
 11 Thomsen, William J.
 12 Chalmers, Derick
 14 <120> TITLE OF INVENTION: Non-Endogenous, Constitutively Activated Human Serotonin
 Receptors and
 15 Small Molecule Modulators Thereof
 17 <130> FILE REFERENCE: Aren-0315
 C--> 19 <140> CURRENT APPLICATION NUMBER: US/10/055,555
 C--> 19 <141> CURRENT FILING DATE: 2002-01-23
 19 <150> PRIOR APPLICATION NUMBER: 09/292,072
 20 <151> PRIOR FILING DATE: 1999-04-14
 22 <150> PRIOR APPLICATION NUMBER: 60/090,783
 23 <151> PRIOR FILING DATE: 1998-06-26
 25 <150> PRIOR APPLICATION NUMBER: 60/112,909
 26 <151> PRIOR FILING DATE: 1998-12-18
 28 <150> PRIOR APPLICATION NUMBER: 60/123,000
 29 <151> PRIOR FILING DATE: 1999-03-05
 31 <150> PRIOR APPLICATION NUMBER: 09/060,188
 32 <151> PRIOR FILING DATE: 1998-04-14
 34 <150> PRIOR APPLICATION NUMBER: 08/839,449
 35 <151> PRIOR FILING DATE: 1997-04-14
 37 <160> NUMBER OF SEQ ID NOS: 33
 39 <170> SOFTWARE: PatentIn version 3.1
 41 <210> SEQ ID NO: 1
 42 <211> LENGTH: 27
 43 <212> TYPE: DNA
 44 <213> ORGANISM: Artificial Sequence
 46 <220> FEATURE:
 47 <223> OTHER INFORMATION: Novel Sequence
 49 <400> SEQUENCE: 1
 50 gacctcgagg ttgcttaaga ctgaagc
 53 <210> SEQ ID NO: 2
 54 <211> LENGTH: 27
 55 <212> TYPE: DNA
 56 <213> ORGANISM: Artificial Sequence
 58 <220> FEATURE:
 59 <223> OTHER INFORMATION: Novel Sequence

27

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/055,555

DATE: 02/13/2002
 TIME: 09:40:34

Input Set : A:\EP.txt

Output Set: N:\CRF3\02132002\J055555.raw

```

61 <400> SEQUENCE: 2
62 atttctagac atatgtagct tgtaccg                                27
65 <210> SEQ ID NO: 3
66 <211> LENGTH: 50
67 <212> TYPE: DNA
68 <213> ORGANISM: Artificial Sequence
70 <220> FEATURE:
71 <223> OTHER INFORMATION: Novel Sequence
73 <400> SEQUENCE: 3
74 ctagggggcac catgcaggct atcaacaatg aaagaaaagc taagaaagtc      50
77 <210> SEQ ID NO: 4
78 <211> LENGTH: 50
79 <212> TYPE: DNA
80 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: Novel Sequence
85 <400> SEQUENCE: 4
86 caaggacttt cttagctttt ctttcattgt tgatagcctg catggtgccc      50
89 <210> SEQ ID NO: 5
90 <211> LENGTH: 26
91 <212> TYPE: DNA
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: Novel Sequence
97 <400> SEQUENCE: 5
98 gacctcgagt ccttctacac ctcac                                     26
101 <210> SEQ ID NO: 6
102 <211> LENGTH: 30
103 <212> TYPE: DNA
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: Novel Sequence
109 <400> SEQUENCE: 6
110 tgctctagat tccagatagg tgaaaacttg                                30
113 <210> SEQ ID NO: 7
114 <211> LENGTH: 31
115 <212> TYPE: DNA
116 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Novel Sequence
121 <400> SEQUENCE: 7
122 caaagaaagt actgggcac gtcttcttcc t                                31
125 <210> SEQ ID NO: 8
126 <211> LENGTH: 31
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: Novel Sequence
133 <400> SEQUENCE: 8

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/055,555

DATE: 02/13/2002

TIME: 09:40:34

Input Set : A:\EP.txt

Output Set: N:\CRF3\02132002\J055555.raw

134 ccgctcgagt actgcgccga caagctttga t	31
137 <210> SEQ ID NO: 9	
138 <211> LENGTH: 38	
139 <212> TYPE: DNA	
140 <213> ORGANISM: Artificial Sequence	
142 <220> FEATURE:	
143 <223> OTHER INFORMATION: Novel Sequence	
145 <400> SEQUENCE: 9	
146 cgatgccag cactttcgaa gcttttcttt cattgttg	38
149 <210> SEQ ID NO: 10	
150 <211> LENGTH: 36	
151 <212> TYPE: DNA	
152 <213> ORGANISM: Artificial Sequence	
154 <220> FEATURE:	
155 <223> OTHER INFORMATION: Novel Sequence	
157 <400> SEQUENCE: 10	
158 aaaagcttcg aaagtgttg gcatcgtctt cttcct	36
161 <210> SEQ ID NO: 11	
162 <211> LENGTH: 30	
163 <212> TYPE: DNA	
164 <213> ORGANISM: Artificial Sequence	
166 <220> FEATURE:	
167 <223> OTHER INFORMATION: Novel Sequence	
169 <400> SEQUENCE: 11	
170 tgctctagat tccagatagg tgaaaacttg	30
173 <210> SEQ ID NO: 12	
174 <211> LENGTH: 19	
175 <212> TYPE: DNA	
176 <213> ORGANISM: Artificial Sequence	
178 <220> FEATURE:	
179 <223> OTHER INFORMATION: Novel Sequence	
181 <400> SEQUENCE: 12	
182 cgtgtctctc cttacttca	19
185 <210> SEQ ID NO: 13	
186 <211> LENGTH: 36	
187 <212> TYPE: DNA	
188 <213> ORGANISM: Artificial Sequence	
190 <220> FEATURE:	
191 <223> OTHER INFORMATION: Novel Sequence	
193 <400> SEQUENCE: 13	
194 tcggcgcagt actttgatag ttagaaagta ggtgat	36
197 <210> SEQ ID NO: 14	
198 <211> LENGTH: 38	
199 <212> TYPE: DNA	
200 <213> ORGANISM: Artificial Sequence	
202 <220> FEATURE:	
203 <223> OTHER INFORMATION: Novel Sequence	
205 <400> SEQUENCE: 14	
206 ttctaactat caaagtactg cgccgacaag ctttgatg	38

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/055,555

DATE: 02/13/2002

TIME: 09:40:34

Input Set : A:\EP.txt

Output Set: N:\CRF3\02132002\J055555.raw

```

209 <210> SEQ ID NO: 15
210 <211> LENGTH: 43
211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: Novel Sequence
217 <400> SEQUENCE: 15
218 ttcagcagtc aacccactag totataactct gttcaacaaa att      43
221 <210> SEQ ID NO: 16
222 <211> LENGTH: 28
223 <212> TYPE: DNA
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Novel Sequence
229 <400> SEQUENCE: 16
230 atttctagac atatgtagct tgtaccgt      28
233 <210> SEQ ID NO: 17
234 <211> LENGTH: 19
235 <212> TYPE: DNA
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: Novel Sequence
241 <400> SEQUENCE: 17
242 atcacctact ttctaacta      19
245 <210> SEQ ID NO: 18
246 <211> LENGTH: 33
247 <212> TYPE: DNA
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Novel Sequence
253 <400> SEQUENCE: 18
254 ccataatcgt caggggaatg aaaaatgaca caa      33
257 <210> SEQ ID NO: 19
258 <211> LENGTH: 33
259 <212> TYPE: DNA
260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: Novel Sequence
265 <400> SEQUENCE: 19
266 atttttcatt cccctgacga ttatggtgat tac      33
269 <210> SEQ ID NO: 20
270 <211> LENGTH: 33
271 <212> TYPE: DNA
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: Novel Sequence
277 <400> SEQUENCE: 20
278 tgatgaagaa agggcaccac atgatcagaa aca      33
281 <210> SEQ ID NO: 21

```

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/055,555

DATE: 02/13/2002
 TIME: 09:40:34

Input Set : A:\EP.txt
 Output Set: N:\CRF3\02132002\J055555.raw

```

282 <211> LENGTH: 33
283 <212> TYPE: DNA
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: Novel Sequence
289 <400> SEQUENCE: 21
290 gatcatgtgg tgccctttct tcatcacaaa cat 33
293 <210> SEQ ID NO: 22
294 <211> LENGTH: 24
295 <212> TYPE: DNA
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: Novel Sequence
301 <400> SEQUENCE: 22
302 gagacatatt atctgccacg gagg 24
305 <210> SEQ ID NO: 23
306 <211> LENGTH: 24
307 <212> TYPE: DNA
308 <213> ORGANISM: Artificial Sequence
310 <220> FEATURE:
311 <223> OTHER INFORMATION: Novel Sequence
313 <400> SEQUENCE: 23
314 ttggcataga aaccggaccc aagg 24
317 <210> SEQ ID NO: 24
318 <211> LENGTH: 1416
319 <212> TYPE: DNA
320 <213> ORGANISM: Artificial Sequence
322 <220> FEATURE:
323 <223> OTHER INFORMATION: Novel Sequence
325 <400> SEQUENCE: 24
326 atggatattc tttgtgaaga aaatacttct ttgagctcaa ctacgaactc cctaattgcaa 60
328 ttaaatgatg acaacaggct ctacagtaat gactttaact ccggagaagc taacacttct 120
330 gatgcattta actggacagt cgactctgaa aatcgaacca acccttcctg tgaagggtgc 180
332 ctctcaccgt cgtgtctctc cttacttcat ctccaggaaa aaaactggtc tgctttactg 240
334 acagccgtag tgattattct aactattgct ggaaacatac tcgtcatcat ggcagtgtcc 300
336 ctagagaaaa agctgcagaa tgccaccaac tatttcctga tgtcacttgc catagctgat 360
338 atgctgctgg gtttccttgt catgcccgtg tccatgttaa ccatcctgta tgggtaccgg 420
340 tggcctctgc cgagcaagct ttgtgcagtc tggatttacc tggacgtgct cttctccacg 480
342 gectccatca tgcacctctg cgccatctcg ctggaccgct acgtcgccat ccagaatccc 540
344 atccaccaca gccgcttcaa ctccagaact aaggcatttc tgaaaatcat tgctgtttgg 600
346 accatatcag taggtatatc catgccaata ccagtctttg ggctacagga cgattcgaag 660
348 gtctttaagg aggggagttg cttactcgcc gatgataact ttgtcctgat cggctctttt 720
350 gtgtcatttt tcattccctt aaccatcatg gtgatcacct actttctaac tatcaagtca 780
352 tccagaaaag aagctacttt gtgtgtaagt gatcttggca cacgggccaa attagcttct 840
354 ttcagcttcc tccctcagag ttctttgtct tcagaaaagc tcttcacgag gtcgatccat 900
356 agggagccag ggtcctacac aggcaggagg actatgcagt ccatcagcaa tgagcaaaaag 960
358 gcatgcaagg tgctgggcat cgtcttcttc ctgtttgtgg tgatgtgggtg ccctttcttc 1020
360 atcacaaaca tcatggccgt catctgcaaa gagtccctgca atgaggatgt cattggggcc 1080
362 ctgctcaatg tgtttgtttg gatcggttat ctctcttcag cagtcaacc actagtctac 1140

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/055,555

DATE: 02/13/2002

TIME: 09:40:35

Input Set : A:\EP.txt

Output Set: N:\CRF3\02132002\J055555.raw

L:19 M:270 C: Current Application Number differs, Replaced Current Application No

L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date